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A B S T R A C T

The present invention encompasses novel peptides that are antagonists to bombesin and bombesin like peptides and are useful in the treatment of cancer. The invention particularly relates to the design and synthesis of the novel peptides incorporating  $\alpha,\alpha$ -amino acids in a site specific manner. The invention encompasses methods for the generation of these peptides, compositions containing the peptides and the pharmacological applications of these peptides especially in the treatment and prevention of cancer.